

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 3. (Cancelled)

4. (Currently Amended) A ~~composition comprising~~ a purified synthetic polypeptide ~~comprising~~ consisting of the amino acid sequence ~~of: PyroGlu-LKCYTCKEPMTSAAC (SEQ ID NO: 1).~~

5. (Currently Amended) An anti-tumor polypeptide, ~~comprising an apoptosis-inducing concentration of a polypeptide, wherein said polypeptide comprising~~ consisting of the amino acid sequence ~~of: PyroGlu-LKCYTCKEPMTSAAC (SEQ ID NO: 1), wherein said polypeptide induces apoptosis of a tumor cell.~~

6. (Currently Amended) The polypeptide of claim 5, wherein said anti-tumor polypeptide is activated by contacting said polypeptide with ~~a detergent~~ sodium dodecyl sulfate (SDS).

7. (Cancelled)

8. (Currently Amended) A method of killing a tumor cell, comprising contacting said tumor cell with a polypeptide ~~comprising~~ consisting of the amino acid sequence of: PyroGlu-LKCYTCKEPMTSAAC (SEQ ID NO: 1) for a time and under conditions effective to promote killing by apoptosis ~~in~~ of said tumor cell.

9. (Previously Presented) The method of claim 8, wherein said tumor is a breast tumor.

10. – 14. (Cancelled)

15. (Currently Amended) A method of activating an anti-tumor polypeptide, comprising contacting said polypeptide with sodium dodecyl sulfate, wherein an anti-tumor activity of said polypeptide is activated after said contacting step, wherein said polypeptide ~~comprising~~ consists of the amino acid sequence ~~of~~: PyroGlu-LKCYTCKEPMTSAAC (SEQ ID NO: 1), and wherein the activated anti-tumor polypeptide promotes apoptosis ~~in~~ of a tumor cell.

16. (Cancelled)

17. (Currently Amended) ~~A composition comprising an~~ An SDS-activated anti-tumor polypeptide, ~~said composition comprising an apoptosis-inducing concentration of said polypeptide, wherein said polypeptide consists essentially~~ consisting of the amino acid sequence ~~of~~: PyroGlu-LKCYTCKEPMTSAAC (SEQ ID NO: 1).

18. (Currently Amended) A method of killing a tumor cell, comprising contacting said tumor cell with an SDS-activated polypeptide for a time and under conditions effective to promote killing by apoptosis of said tumor cell, said polypeptide consisting ~~essentially~~ of the amino acid ~~of~~: PyroGlu-LKCYTCKEPMTSAAC (SEQ ID NO: 1).